

AUTOMATED PNEUMATIC DOOR SKIN HAMMER

This application claims the benefit of U.S. Provisional Application No. 60/430,110, filed December 23, 2002 and U.S. Provisional Application No. 60/345,364, filed January 1, 2002.
This application is a continuation from PCT application Serial No. PCT/US02/41605.

FIELD OF INVENTION

This invention relates to the collision industry, and more particularly relates to the method by which damaged automobile doors are repaired.

BACKGROUND OF INVENTION

Presently, if an automobile has had damage to one of the doors, an approved method of repair is to put an original equipment manufactured sheet metal door shell on, in replacement of the damaged one. This involves removing the damaged door shell and replacing it with a new one. The shells are referred to as skins, in the collision industry. The current method of installing the new replacement is using a hand "dolly" (piece of metal that looks like a heel of a shoe) and a hand held hammer. When attaching a door skin initially, the edge of the metal approximately 3/8"- 1/2" to be attached, is already bent 90 degrees perpendicular from the skin. The metal skin is affixed to the frame of the door by crimping the edge of the metal of the

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skin onto the door frame by placing the dolly on front side of the door frame and hammering the edge of the skin an additional 90 degrees thereby crimping the metal